

Amendments to the Claims

1. (Currently Amended) An interactive processing system comprising at least a user terminal in a user location, a server coupled to said user terminal, a communication network, and an interface device located between said network and said user terminal, said system being characterized in that said interface device comprises:-

(a) means for formatting incoming data received from said terminal into packets identified by headers and ready to be sent towards said network-;

(b) means for identifying packets received from the network and forwarding them to the terminal-;

(c) means for managing and controlling the network resources and handling the a delivery monitoring service of said packets on the network according to said resources, comprising:

a receiving stage for receiving incoming packets from the network;

an analysis stage for analyzing the incoming packets;

a statistics processing stage for computing statistics based on analysis provided by the analysis stage; and

a formatting stage for creating packets to be sent toward said network.

2. (New) The interactive processing system of claim 1, wherein the means for formatting incoming data received from said terminal into packets identified by headers is configured to:

format the incoming data into real-time protocol (RTP) packets; and  
send the RTP packets with RTP headers towards the network.

3. (New) The interactive processing system of claim 1, wherein the means for identifying packets received from the network and forwarding them to the terminal is configured to:

receive real-time protocol (RTP) packets from the network;

control some parameters; and

store data in view of their transmission to a current application running on the user terminal.

4. (New) The interactive processing system of claim 1, wherein the receiving stage receives real-time control protocol (RTCP) packets arriving from the network.

5. (New) The interactive processing system of claim 4, wherein the analysis stage analyzes the (RTCP) packets arriving from the network.

6. (New) The interactive processing system of claim 5, wherein the statistics processing stage computes statistics when real-time protocol (RTP) packets are received from the network and when RTCP packets are received or sent.

7. (New) The interactive processing system of claim 6, wherein the statistics computed when real-time protocol (RTP) packets are received from the network comprise at least

one of a number of RTP packets received, packet loss, and delays.

8. (New) The interactive processing system of claim 6, wherein the statistics computed when RTCP packets are received or sent comprise an error rate.